

1 CLAIMS

2 What is claimed is:

- 3 1. A method, performed by a retail purchaser of a previously-purchased remote-controlled
4 retail electronic entertainment device, for retro-fitting said remote-controlled device to
5 provide an increased acceptance angle for an infrared receiver thereof, the method
6 comprising the steps of:
7 purchasing, on a retail basis and subsequent to a previous purchase of said remote-controlled
8 device, a hemispheric lens, the hemispheric lens comprising a lens body, the lens body
9 being fabricated from a dielectric material substantially transparent at an infrared
10 wavelength received by the infrared receiver, the lens body having a substantially
11 hemispheric convex outer surface, a substantially hemispheric concave inner surface, a
12 substantially flat annular surface connecting the inner and outer hemispheric surfaces,
13 and an adhesive layer provided on the annular surface for securing the lens to a face of
14 the remote-controlled retail electronic entertainment device over the infrared receiver
15 thereof; and
16 after purchasing the hemispheric lens, securing the hemispheric lens to the face of the
17 previously-purchased remote-controlled retail electronic entertainment device over the
18 infrared receiver thereof, thereby increasing the acceptance angle over which infrared
19 remote control signals may be received by the infrared receiver.
- 20 2. The method of Claim 1, the dielectric material being substantially clear acrylic plastic.
- 21 3. The method of Claim 1, the adhesive layer comprising double-sided adhesive tape.
- 22 4. The method of Claim 1, the lens body hemispheric inner surface being about $\frac{3}{8}$ inch in
23 diameter and the lens body hemispheric outer surface being about $\frac{1}{2}$ inch in diameter.
- 24 5. The method of Claim 1, the remote-controlled retail electronic entertainment device being a
25 video device.
- 26 6. The method of Claim 5, the video device being a television, a video cassette recorder, a
27 video cassette player, a DVD player, a DVD recorder, a cable television receiver, or a
28 satellite television receiver.
- 29 7. The method of Claim 1, the remote-controlled retail electronic entertainment device being
30 an audio device.

1 8. The method of Claim 7, the audio device being a radio, a stereo, a hi-fi system, an audio
2 cassette player, an audio cassette recorder, an audio CD player, an audio CD recorder, a
3 home theatre system, a surround-sound system, an MP3 player, an MP3 recorder, a DVD-
4 audio player, or a DVD-audio recorder.

5 9. A method for enabling a retail purchaser of a previously-purchased remote-controlled retail
6 electronic entertainment device to retro-fit said remote-controlled device to provide an
7 increased acceptance angle for an infrared receiver thereof, the method comprising the steps
8 of:
9 selling, on a retail basis to the retail purchaser of the previously-purchased remote-
10 controlled retail electronic entertainment device and subsequent to a previous purchase
11 thereof, a hemispheric lens, the hemispheric lens comprising a lens body, the lens body
12 being fabricated from a dielectric material substantially transparent at an infrared
13 wavelength received by the infrared receiver, the lens body having a substantially
14 hemispheric convex outer surface, a substantially hemispheric concave inner surface, a
15 substantially flat annular surface connecting the inner and outer hemispheric surfaces,
16 and an adhesive layer provided on the annular surface for securing the lens to a face of
17 the remote-controlled retail electronic entertainment device over the infrared receiver
18 thereof; and
19 instructing the retail purchaser of the previously-purchased remote-controlled retail
20 electronic entertainment device to secure the hemispheric lens to the face of said
21 remote-controlled device over the infrared receiver thereof, thereby increasing the
22 acceptance angle over which infrared remote control signals may be received by the
23 infrared receiver.

24 10. The method of Claim 9, the dielectric material being substantially clear acrylic plastic.
25 11. The method of Claim 9, the adhesive layer comprising double-sided adhesive tape.
26 12. The method of Claim 9, the lens body hemispheric inner surface being about $\frac{3}{8}$ inch in
27 diameter and the lens body hemispheric outer surface being about $\frac{1}{2}$ inch in diameter.
28 13. The method of Claim 9, the remote-controlled retail electronic entertainment device being a
29 video device.

- 1 14. The method of Claim 13, the video device being a television, a video cassette recorder, a
- 2 video cassette player, a DVD player, a DVD recorder, a cable television receiver, or a
- 3 satellite television receiver.
- 4 15. The method of Claim 9, the remote-controlled retail electronic entertainment device being
- 5 an audio device.
- 6 16. The method of Claim 15, the audio device being a radio, a stereo, a hi-fi system, an audio
- 7 cassette player, an audio cassette recorder, an audio CD player, an audio CD recorder, a
- 8 home theatre system, a surround-sound system, an MP3 player, an MP3 recorder, a DVD-
- 9 audio player, or a DVD-audio recorder.

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